

CYLINDRELLA SWAINSON, 1840 (MOLLUSCA, GASTROPODA):
A REQUEST FOR SUPPRESSION; CYLICHNA LOVÉN, 1846,
PROPOSED FOR THE OFFICIAL LIST. Z.N.(S.) 1960

By Henning Lemche (*Universitetets zoologiske Museum, Universitetsparken 15,
2100 Copenhagen, Danmark*)

When proposing the preservation of the specific name *Bulla obtusa* Montagu, 1803 (Lemche, 1957, *Bull. zool. Nomencl.* 12 : 323–327) I proposed also to place the generic name *Cyllichna* Lovén, 1846 (a tectibranch) on the Official List. Complications caused me to withdraw the latter part for further consideration, but it is only now that I have found the time to enter into the question again, even though it seems that all that is needed in the case is to ask for the suppression of the most ambiguous name *Cylindrella* Swainson, 1840.

2. W. Swainson (1840, *A treatise on Malacology*, in D. Lardner: The Cabinet Encyclopedia, London) mentions the name *Cylindrella* Swainson as a nomen nudum (: 135) for a mixture of bullacean tectibranchs and several prosobranchs.

3. In the same publication (: 311) he places, almost next to *Conus*, a genus “*Cylindrella* Sw. Conic-cylindrical; spire elevated, and only slightly coronated on the upper whorls; shell generally grooved. *Asper* Chem. 181 f. 1745–7”. This reference is to Chemnitz (1795 *Conchylien Cabinett* 11 tab. 181 figs. 1745–1747) illustrating a shell called *Conus costatus* by Chemnitz. I am unable to find the name “*asper*” anywhere in this context. According to Thiele (1931, *Handb. Moll. kunde* 1 : 374) *Cylindrella* Swainson, if taken in this meaning, would replace *Asprella* Schaufuss, 1869.

4. Again (: 326) Swainson established another “*Cylindrella* Sw. Cylindrical, narrow, and obtuse, as in *Volvaria*, but the surface and the outer lip are smooth, and there are no plaits on the pillar. *C. alba* Sw. (fig. 94b)”. The figure is unquestionably of the species *Cyllichna cylindracea* (Pennant, 1777), a bullacean tectibranch, and if so used the name *Cylindrella* Swainson is a senior synonym of *Cyllichna* Lovén, 1846. This last genus has seven included species, of which *Bulla cylindracea* Pennant, 1777, was made the type by subsequent selection by Pilsbury (1893, in Tryon: *Man. Conch.* 15 : 287).

5. Accidentally, Pfeiffer (1840, *Wieg. Arch. Naturgesch.* 1 : 38) added to the confusion by describing a pulmonate genus *Cylindrella*. Pfeiffer's paper is found in the first of the two volumes of the *Archiv* published in 1840, indicating publication to have taken place early in the year, but with no exact date on which to hinge it. Thiele (: 672) considers that name a junior synonym of *Urocoptis* Beck, 1837 (*Index molluscorum*: 85).

6. In short, Pfeiffer is probably the first to have published a name *Cylindrella*, but there is no proof. That name falls as a junior synonym of *Urocoptis* and is not in use. The two or three concepts covered by the name(s) *Cylindrella* Swainson might well be junior homonyms of Pfeiffer's name, but there is no proof, and there is therefore a lingering possibility of confusion in the case, as somebody may think it worthwhile to substitute *Cylindrella* Swainson for

either the prosobranch *Asprella* Schaufuss, or the tectibranch *Cylichna* Lovén. I propose the name(s) *Cylindrella* Swainson, 1840, for suppression.

7. *Cylichna* Lovén, 1846, has sometimes been considered a junior homonym of *Cylichnus* Burmeister, 1844 (*Handb. Entom.* 4 : 171)—a coleopterous insect. Nothing in the Rules supports such a view.

8. In the cases mentioned under (6) above, recourse has been taken to the name *Cylichnella* Gabb, 1873 (*Proc. Acad. Nat. Sci. Philad.* 3 : 273) type by monotypy *Bulla bidentata* d'Orbigny, 1841 (*Hist. Nat. Moll. de l'Ile de Cuba* 1 : 125) but this species is at least different on the subgeneric level, and probably on the generic one, too, from *Bulla cylindracea* Pennant, 1777, the type of *Cylichna* Lovén. The continued use of the latter generic name is therefore very much needed.

9. I do not feel qualified to make statements concerning the generic names *Asprella* Schaufuss, and *Urocoptis* Beck, but I have found no indication of any need for protection of these names because of the problems here treated, and so I shall confine myself to the treatment of the tectibranch aspect.

10. The family name CYLICHNIDAE Meyer & Möbius, 1865 (*Fauna der Kieler Bucht* 1 : Die Hinterkiemer oder Opisthobranchia: 87) has been based on *Cylichna* Lovén. However, the systematic arrangement and the content of the families of bullacean tectibranchs is much in need of revision, and I do not like too much to introduce official status for too many family names prior to the provision of the necessary factual information.

11. My formal proposals run as follows:

(1) to suppress under the plenary powers, for the purposes of both the Law of Priority and the Law of Homonymy:

(a) *Cylindrella* Swainson, 1840 : 311, type by monotypy *Conus costatus* Chemnitz, 1795;

(b) *Cylindrella* Swainson, 1840 : 326, type by monotypy *Cylindrella alba* Swainson, 1840;

(2) to place on the Official List of Generic Names in Zoology the name *Cylichna* Lovén, 1846 (gender: feminine), type-species, by subsequent designation by Pilsbury, 1893, *Bulla cylindracea* Pennant, 1777;

(3) to place on the Official List of Specific Names in Zoology the name *cylindracea* Pennant, 1777, as published in the combination *Bulla cylindracea*;

(4) to place on the Official Index of Rejected and Invalid Generic Names in Zoology the names:

(a) *Cylindrella* Swainson, 1840 : 135 (a nomen nudum);

(b) *Cylindrella* Swainson, 1840 : 311 (as suppressed under (1)(a) above);

(c) *Cylindrella* Swainson, 1840 : 326 (as suppressed under (1)(b) above).